SHEET 1 OF 9

NFORMATION DISCLOSURE					ATTY. DOCKET NO. A-65909-1RFT/RMS			AL NO. 35,183		
02/0				APPLICANT Bambad	•					
08/99				FILING DATE August 17, 1998	GROUP 1643					
				U.S. PATE	ENT DOCUMENTS					
EXAMINER'S INITIALS		PATENT NO.	DATE		NAME	CL	ASS	SUBCLASS	FILING (DATE
Ash	Α	4,707,352	11/17/87	Stavrianopou	ulos	42	14	1-1		
782	В	4,707,440	11/1987	Stavrianopo	ulos	435	j	6		
981	С	4,711,955	12/8/87	Ward, et al.		5	34	29		
XI	D	4,755,458	7/5/88	Rabbani, et	al.	4:	35	5		. =
Offi	Ε	4,849,510	7/18/89	Smith, et al.		536	3	27		
SL	F	4,868,103	9/19/89	Stavrianopo	ulos, et al.	43	5	5		
SAL	G	4,894,325	1/16/90	Englehardt,	et al.	42	25	6		
882	Н	4,943,523	7/24/90	Stavrianopo	ulos	42	55	7		
SEL	l	4,952,685	8/28/90	Stavrianopoulos		1	36	27		·
Sol	J	4,994,373	2/19/91	Stavrianopoulos		43		4		
XL	К	5,002,885	3/26/91	Stavrianopoulos		4	35	188		
Offi	L	5,013,831	5/7/91	Stavrianopoi	ulos	1	3 L e	27		
				FOREIGN PA	TENT DOCUMENTS		ı			. 1 44 ² 24
EXAMINER'S INITIALS		PATENT NO.	DATE		COUNTRY	CL	ASS	SUBCLASS	Transla Yes	lion No
SIL	M	0 63879	11/3/82	Europe)			
SER	N	92/10757	6/25/92	wo						
SYL	0	95/15971	6/15/95	wo						
Ser	Р	0 234 938	2/26/87	EP (A2)						
Ar Ar	Q	93/10267	5/27/93	wo			<u> </u>			
Syl	R	2,090,904	9/24/93	Canada)			
Sh	S	0 599 337	1/16/94	EP (A2)						
EVANAINE	D		- l	T	ATE CONCIDENT					
EXAMINE		Mrun S	She !	2x	ATE CONSIDERED	9	1/13	199		
	1		- 7-7-7	-//		<u>`</u>		 _		

CLI	CCT	_	\sim	_	^
ЭΠ		Z	U	_	э

INFORMATION DISCLOSURE					ATTY, DOCKET NO. A-65909-1RFT/RMS			AL NO. 35,183		
02,	CITATION			APPLICANT Bambad				<u>-</u>		
(08/99/2	PTO-1449			FILING DATE August 17, 1998		GROUP , 1643				
				U.S. PATE	NT DOCUMENTS					
EXAMINER'S INITIALS		PATENT NO.	DATE		NAME	CLA	\ss	SUBCLASS	FILING	DATE
Sta	Т	5,082,830	1/21/92	Brakel, et al.	•	51	4	44		
OLL	υ	5,175,269	12/29/92	Stavrianopo	ulos		36	27		
SA	٧.	5,241,060	8/31/93	Englehardt,	et al.	5		27		
OXSL.	* WS	5,278,043	-1-/1°1795° g	Bannwarth,	et al.	536		23.1		-
SAL	X	5,312,527	5/17/94	Mikkelsen, e	et al.	204		153.12		
XL	Υ	5,328,824	7/12/94	Ward, et al.		47	35	4		
XA.	Z	5,449,767	9/12/95	Ward, et al.		5	7 6	24.3		
Sh	AA	5,472,881	12/5/95	Beebe, et al.	•	436		94		
OLA.	ВВ	5,476,928	12/19/95	Ward, et al.	·	43	6	94	- · · · · · · · · · · · · · · · · · · ·	
882	СС	5,595,908	1/21/97	Fawcett, et	al.	534		11		
Yor	DD	5,565,552	10/15/96	Magda, et a	l.	534		11		
X	EE	5,573,906	11/12/96	Bannwarth,	et al.	435		6		
SSL	FF	5,591,578	1/7/97	Meade, et al	l.	435		6		
Ser	GG	5,601,982	2/1997	Sargent, et a	al.	435		6 .		
000			F	DREIGN PA	TENT DOCUMENT	S				
EXAMINER'S INITIALS		PATENT NO.	DATE		COUNTRY	CLA	ASS	SUBCLASS	Transl Yes	ation No
Avgract	Щ	238,166	1988	JP (Abstract	63-238166)					
Y.C.	II	0 229 943	7/29/87	EP (B1)	has bee	2	7.4	ered)		
044	JJ	96/40712	12/19/96	wo	- 1 W-5 VIIC		// /	/ /		
961.	KK	0515615	9/4/96	EP UK	•		/	(_	
84.	LL	97/01646	1/16/97	wo			$\overline{}$			1
SAL.	ММ	93/23425	11/25/93	wo				(
	!									_1
EXAMINER) P	unde	L	D	ATE CONSIDERED	9/1	3/	99		
EXAMINER: Initial if next communication	AMINER: Initial if personne considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with tommunication to applicant.									

INFOF	RMA	TION E	DISCLO	SURE	A-65909-1RFT/RMS			35,183				
02,	<u> </u>								•			
/08/99	ŭ E	PTO-1449			FILING DATE August 17, 1998		GRO 1643		-			
				U.S. PAT	ENT DOCUMENTS							· · · · · · · · · · · · · · · · · · ·
EXAMINER'S INITIALS		PATENT NO.	DATE		NAME	CL	ASS	SUBCLAS	ss		FILING	DATE
SEL	NN	4,840,893	6/20/89	Hill et al.		435	5	6				
SKL	00	5,403,451	4/4/95	Riviello et al	•	204	1	153.1				
XX.	PP	5,620,850	4/15/97	Bamdad et a	ıl.	530)	300				
JEL	QQ	5,780,234	7/14/98	Meade et al.		435	5	6				
XL	RR	5,770,369	6/23/98	Meade et al		435	5	6				
XL.	SS	5,705,348	1/6/98	Meade et al.		435	5	6			-	
XX.	TT	5,705,346	1/6/98	Okamoto et	al.	435	5	6				
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	UU	5,571,568	11/5/96	Ribi et al.		427	7	487				***
SAL	. کې کې چې	5,156,810	- 6/15/ 89_ '	Ribi		422	2	82.01				
AL.	ww	5,491,097	2/13/96	Ribi et al.		436	3	518				
&L	XX	5,776,672	7/7/98	Hashimoto e	et al.	435	5	6	\perp			
									\dashv			
				OREIGN PA	ATENT DOCUMEN	TS		1		-2-		
EXAMINER'S INITIALS		PATENT NO.	DATE		COUNTRY	CL	ASS	SUBCLAS	ss	<u> </u>	Transl: res	No No
M.	YY	90/05732	5/31/90	wo			<u> </u>	<u> </u>	\perp			
	ZZ	94/22889	10/13/94	WO								
SH	AAA	97/01646	01/16/97	wo	- L'English	ab	stra	ct has	be	eu i	consid	eral)
You	BBB	98/35232	8/13/98	wo	<u> </u>	•	1					
YA	ccc	98/04740	2/5/98	wo								
							•				<u></u>	
				· · · · · · · · · · · · · · · · · · ·				, _				
EXAMINER	0	Lund	Mer	D	ATE CONSIDERED	9	1/13	 }				
XAMINER: Initial if	AMINER: Initial if reference considered, whether orbit citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with											

7	5	21 22 23	Clery, "DNA Goes Electric," Science, 267:1270 (1995). Commerce Business Daily Issue of September 26, 1996 PSA#1688. DATABASE WPI, Derwent Publications Ltd., London, GB; AN 88-320199 & IP, A, 53.238 166 (MITSUBISHI DENKI KK), 4 October 1988.							
home been considered	Sa	20	Chrisey, et al., "Covalent attachment of synthetic DNA to self-assembled monolayer films," <i>Nucleic Acids Research</i> , 24(15):3031-3039 (1996).							
8	SEL SEL	19	Interface," Science, 251:919-923 (1991). Chidsey, et al., "Coadsorption of Ferrocene-Terminated and Unsubstituted Alkanethiols on Gold" Electroactive Self-Assembled Monolayers," J. Am. Chem. Soc., 112:4301-4306 (1990).							
spisu,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	18	Ferrocytochrome c by Ru(2,2'-bpy) ₂ (im)(His-33) ³⁺ ," J. Am. Chem. Soc., 113:7056-7057 (1991). Chidsey, C.E.D., et al., "Free Energy and Temperature Dependence of Electron Transfer at the Metal Electrolyte							
nel	SYL	17	Cobalt (III) and Iron (II) with 10-Phenanth Chang, I-Jy, et al., "High-Driving-Force E	lectron Transfer in Metallopro	teins: Intramolecular Oxidation of					
	α_{0}	16	· · · · ·		with DNA. 2. Tris- Chelated Complexes of					
	941	15	Carr, J.D., et al., "Novel Electrochemical S							
	SIL	14	Cantor, C.R. et al., "Report on the Sequence							
*1	SYL	13	8159 (1991). Bumm, et al., "Are Single Molecular Wire	s Conducting?," Science 271:1	1705-1707 (1996).					
are	VAI.	12			omatic Salts," J. Am. Chem. Soc., 113:8153-					
de	1 OKI	11	Bowler, B. E., et al., "Long-Range Electro	n Transfer in Donor (Spacer)	Acceptor Molecules and Proteins," Progress					
1		10	Boguslavsky, L. et al., "Applications of red							
7	GGL.	<u>/</u> a	sensors. A Review.," Sensors and Actuator Biotechnology and Genetics: Genetic Screen		English (Religion 2 1005)					
*	V	8	Bidan, "Electroconducting conjugated poly	ymers: new sensitive matrices	" <i>J. Phys. Chem.</i> , 90(16):3800-3804 (1986). to build up chemical or electrochemical					
	Spal	7	Bechtold, R., et al., "Ruthenium-Modified	Horse Heart Cytochrome c: I	Effect of pH and Ligation on the Rate of					
	#1	6	Barnsci, et al., "Conducting Polymer Sensor Baum, R. M., "Views on Biological, Long							
	882	5	Abstracts, 6th International Conference on Barisci, et al., "Conducting Polymer Sensor							
	1940 WA -	4	1:1-5 (March 1995). Arkin, M., et al., "Evidence for Photoelect							
	V12	3	17050-17058 (1996). Aizawa, M., et al., "Intergrated Molecular	Systems for Biosensors," Sens	sors and Actuators B, B24 (Nos 1/3) part					
	YSI	2	Allerman, K.S., et al., "Eletrochemical Rec	citification at a Monolayer-Mo	odified Electrode," J. Phys. Chem, 100:(42)					
		° 1	Albers, W. M., et al., "Design of Novel Mo Bioeletrochemistry, 42:25-33 (1997).	olecular Wires for Realizing L	ong-Distance Electron Transfer,"					
		Ð	OTHER DOCUMENTS (Including	Author, Title, Date, Pertino	ent Pages, Etc.)					
	12/08/9	8 U. S	P10-1449 (>	FILING DATE August 17, 1998	GROUP 1643					
	0	JC56	CITATION PTO-1449	APPLICANT Bambad						
	INFO	DRM	ATION DISCLOSURE	ATTY. DOCKET NO. A-65909-1RFT/RMS	SERIAL NO. 09/135,183					

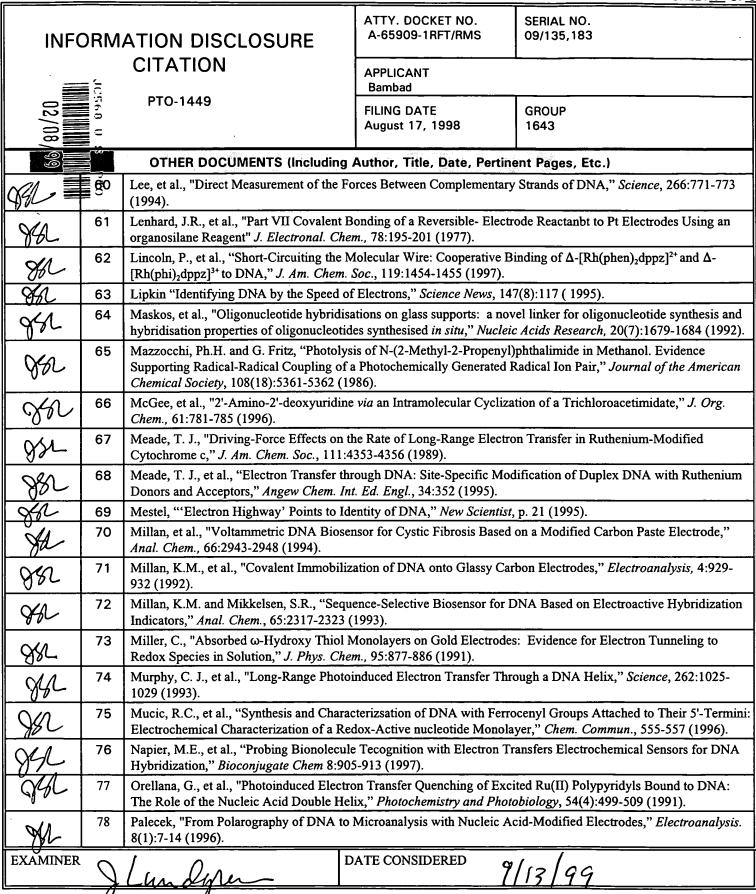
SHEET 5 OF 9

INFO) PM	ATION DISCLOSURE	ATTY. DOCKET NO. A-65909-1RFT/RMS	SERIAL NO. 09/135,183					
02/	(.280 (.280	CITATION	APPLICANT Bambad						
/08/99		PTO-1449	FILING DATE August 17, 1998	GROUP 1643					
	78 88	OTHER DOCUMENTS (Including	Author, Title, Date, Pertine	ent Pages, Etc.)					
Sa	24	Davis, L. M., et al., "Electron Donor Prope Quenching of DNA-Bound Ethidium," Ch	emBiol. Interactions, 62:45-5	58 (1987).					
SAL	25	Davis, L. M., et al., "Elements of biosenso							
Sh	26	Degani et al., "Direct Electrical Communic Methods for Bonding Electron-Transfer Ro Soc. 110:2615-2620 (1988).	_	•					
SYL	27	Degani, Y., et al., "Electrical Communicate Electrostatically and Covalently Bound Re							
SA	28	1. Electron Transfer from Glucose Oxidas	Degani, Y., et al., "Direct Electrical Communication between Chemically Modified Enzymes and Metal Electrodes. 1. Electron Transfer from Glucose Oxidase to Metal Electrodes via Electron Relays, Bound Covalently to the Enzyme," J. Phys. Chem., 91(6):1285-1288 (1987).						
SA	29		Deinhammer, R.S., et al., "Electronchemical Oxidation of Amine-containing compounds: A Route to the Surface Modification of glassy carbon electrodes," <i>Langmuir</i> , 10:1306-1313 (1994).						
SX	30	Dreyer, G. B., et al., "Sequence-specific cl Proc. Natl. Acad. Sci. USA, 82:968-972 (1		A: Oligodeoxynucleotide-EDTA·Fe(II),"					
Sh	31	1	Durham, B., et al., "Photoinduced Electron-Transfer Kinetics of Singly Labeled Ruthenium Bis(bipyridin) Dicarboxybipyridine Cytochrome c Derivatives," Biochemistry, 28:8659-8665 (1989).						
The	32	Durham, B., et al., "Electron-Transfer King Derivatives," American Chemical Society,		nium(II) Polypyridine Cytochrome c					
982	33	Elias, H., et al., "Electron-Transfer Kinetic Derivative," J. Am. Chem. Soc., 110:429-4	•	ne c and Its Ru(NH ₃) ₅ (Histidine-33)					
8A	34	Farver, O., et al., "Long-range intramolecu 6972 (1989).	llar electron transfer in azurins	s," Proc. Natl. Acad. Sci. USA, 86:6968-					
The	35	Fox, L. S., et al., "Gaussian Free-Energy D 247:1069-1071 (1990).	Dependence of Electron-Transf	er Rates in Iridium Complexes," Science,					
98L	36	Fox, M. A., et al., "Light-Harvesting Polyr							
ÝL.	37	Francois, J-C., et al., "Periodic Cleavage of Poly(dA) by Oligothymidylates Covalently Linked to the 1,10-Phenanthroline-Copper Complex," <i>Biochemistry</i> , 27:2272-2276 (1988).							
Sh	38	Friedman, A. E., et al., "Molecular 'Light Switch' for DNA: Ru(bpy) ₂ (dppz) ²⁺ ," J. Am. Chem. Soc., 112:4960-4962 (1990).							
Sol	39	Fromherz, P., et al., "Photoinduced Electro Methylviologen," J. Am. Chem. Soc., 108:		om Intercalated Ethidium to Condensed					
Holi	40	Gardner, et al., "Application of conducting polymer technology in microsystems," Sensors and Actuators, A51:57-66 (1995).							
982	41	Gregg, B. A., et al., "Cross-linked redox gels containing glucose oxidase for amperometric biosensor applications," <i>Anal. Chem.</i> , 62:258-263 (1990).							
EXAMINER DATE CONSIDERED 9/13/99									

SHEET 6 OF 9

INFORMATION DISCLOSURE CITATION			ATTY. DOCKET NO. A-65909-1RFT/RMS O9/135,183 APPLICANT				
	JC		Bambad				
02/08	560 U.	PTO-1449	FILING DATE August 17, 1998	GROUP 1643			
- W		OTHER DOCUMENTS (Including	Author, Title, Date, Pertin	ent Pages, Etc.)			
A	2 2	Gregg, B. A., et al., "Redox Polymer Film Synthesis, Characterization, and Electroca (1991).	talytic Oxidation of Hydroqui	none," J. Phys. Chem., 95:5970-5975			
XX	43	Hashimoto, et al., "Sequence-Specific Ger Electrochemically Active Dye," Anal. Che	em. 66:3830-3833 (1994).				
991	44	Hegner, et al., "Immobilizing DNA on gol solutions," FEBS 336(3):452-456 (1993).					
SKR	45	Heller, A., et al., "Amperometric biosenso Sensors and Actuators, 13-14:180-183 (19	993).				
You.	46	Heller, A., "Electrical Wiring of Redox En	nzymes," Acc. Chem. Res., 23	:128-134 (1990).			
1 as	47	Heller et al., "Fluorescent Energy Transfe	r Oligonucleotide Probes," Fe	ea. Proc. 40(0):1968 (1987) Abstract-No.			
AM	_48	248. Ho "DNA-Mediated Electron Transfer an Research (Report Date: July 25, 1991) 1-4	d Application to 'Biochip'De	velopment," Abstract. Office of Naval			
9BL	49	Hobbs et al., "Polynucleotides Containing 2'-Amino-2'deoxyribose and 2'-Azido-2'-deoxyriose," <i>Biochemistry</i> , 12(25):5138-5145 (1973).					
Stal	50	Hsung, et al., "Synthesis and Characterization of Unsymmetric Ferrocene-Terminated Phenylethynyl Oligomers," Organometallics, 14:4808-4815 (1995).					
961	51	Hsung, et al., "Thiophenol Protecting Groups for the Palladium-Catalyzed Heck Reaction: Efficient Syntheses of Conjugated Arylthiols," <i>Tetrahedron Letters</i> . 36(26):4525-4528 (1995).					
SSA	52	Jenkins et al., "A Sequence-Specific Mol Dipyridophenazine Complex of Rutheniu	\mathbf{m} (II), J. Am. Chem. Soc., 11	4:8/36-8/38 (1992)			
gh	53	Johnston, D.H., et al., "Trans-Dioxorheni Electrodes: Voltammetric Detection of D	um (V)- Mediated Electrocata NA Cleavage in Solution," In	alytic Oxidation of DNA at Indium Tin-Oxide org. Chem. 33:6388-6390 (1994).			
¥A.	54	Katritzky, et al., "Pyridylethylation - A N Letters 25(12):1223-1226 (1984).	lew Protection Method for Ac	tive Hydrogen Compounds," Tetrahedron			
081	55	Kelley, S.O. and J.K. Barton, "Electroche Rioconjugate Chem. 8:31-37 (1997).					
Ad	56	Kojima et al., "A DNA Probe of Ruthenium Bipyridine Complex Using Photocatalytic Activity," Chemistry Letter,					
XX	57	Korri-Youssoufi, H., et al., "Toward Bioelectronics: Specific DNA Recognition Based on an Oligonucleotide- Functionalized Polypyrrole," J. Am. Chem. 119:(31) 7388-7389 (1997).					
The	58	Laviron, E., "A.C. Polarography and Faradaic Impedance of Strongly Adsorbed Electroactive Species. Part 1: Theoretical and Experimental Study of a Quasi-Reversible Reaction in the Case of a Langmuir Isotherm," J. Flectroanal Chem. 97:135-149 (1979).					
Ys	Laviron, E., "A.C. Polarography and Faradaic Impedance of Strongly Adsorbed Electoactive Species. Part III: Theoretical Complex Plane Analysis for a Surface Redox Reaction," J. Electroanal. Chem., 105:35-42 (1979).						
EXAMINER		Lundyu 1	DATE CONSIDERED	9/13/99			
EXAMINER: Initial next communication	if reference to applic	/ e considered, whether or not citation is in conformance with ant.	MPEP 609; draw line through citation if no	t in conformance <u>and</u> not considered. Include copy of this form			

SHEET_7_OF_9



SHEET 8 OF 9

INFO	RM	ATION DISCLOSURE	ATTY. DOCKET NO. A-65909-1RFT/RMS	SERIAL NO. 09/135,183			
	JC:S	CITATION	APPLICANT Bambad				
02/08/		PTO-1449	FILING DATE August 17, 1998	GROUP 1643			
		OTHER DOCUMENTS (Including A	Author, Title, Date, Pertin	ent Pages, Etc.)			
Al	Z9	Paterson, "Electric Genes: Current Flow in (May 1995).	DNA Could Lead to Faster C	Genetic Testing," Scientific American, 33-34			
Sa	80	Purugganan, M. D., et al., "Accelerated Ele 241:1645-1649 (1988).	ectron Transfer Between Meta	al Complexes Mediated by DNA, Science,			
Spal	81	Reimers, J.R., et al., "Towards Effici BioSystems 35:107-111 (1995).	ent Molecular Wires and	Switches: The Brooker lons,"			
M	82	Rhodes, D. And A. Klug, "Helical Periodic (1980).	city of DNA Determined by E	nzyme Digestion," Nature, 286:573-578			
%L	83	Risser, S. M., et al., "Electron Transfer in DNA: Predictions of Exponential Growth and Decay of Coupling with Donor-Acceptor Distance," J. Am. Chem. Soc., 115(6):2508-2510 (1993).					
You	84	Sato, Y., et al., "Unidirectional Electron Transfer at Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Gold," Bull. Chem. Soc. Jpn., 66(4):1032-1037 (1993).					
SEL	85	Satyanarayana, S., et al., "Neither Δ - nor Λ -Tris(phenanthroline)ruthenium(II) Binds to DNA by Classical Intercalation," <i>Biochemistry</i> , 31(39):9319-9324 (1992).					
AL	86	Schlereth, D.D., et al., "Self-Assembled Monolayers with Biospecific Affinity for NAD (H)-Dependent Dehydrogenases: Characterization by Surface Plasmon Resonance Combined with Electrochemistry 'in situ'," Journal of Electroanalytical Chemistry 444:231-240 (1998).					
YL	87		nine Complexes and Chemist	X-ray Structures of Bis(9-methyladenine) ry Relevant to Metal-Modified Nucelobase			
Hor	88	Schuhmann, W., et al., "Electron Transfer with Flexible Chains to the Enzyme Surface					
SA	89	Schumm, et al., "Iterative Divergent/Convergent Approach to Linear Conjugated Oligomers by Successive Doubling of the Molecular Length: A Rapid Route to a 128 Å-Long Potential Molecular Wire," Angew. Chem. Int. Ed. Engl., 33(11):1360-1363 (1994).					
Ha	90	Sigel, G.B., et al., "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," <i>Analytical Chemistry</i> 68:(3) 490-497 (1996).					
Spal	91	Southern, E.M., et al., "Arrays of Complementary Oligonucleotides for Analysing the Hybridisation Hehavior of nucleic Acids," <i>Nucleic Acids Research</i> 22:(8) 1368-1373 (1994).					
982	92	Strobel, S. A., et al., "Site-Specific Cleavage of a Yeast Chromosome by Oligonucleotide-Directed Triple-Helix Formation," <i>Science</i> , 249:73-75 (1990).					
St	93	Su, et al., "Interfacial Nucleic Acid Hybridization Studied by Random Primer ³² P Labelling and Liquid-Phase Acoustic Network Analysis," <i>Analytical Chemistry</i> , 66(6):769-777 (1994).					
EXAMINER	0	Cundou D.	ATE CONSIDERED 9/	3/99			

· INFO	ORM	ATION DISCLOSURE	ATTY. DOCKET NO. A-65909-1RFT/RMS	SERIAL NO. 09/135,183				
(-		CITATION	APPLICANT Bambad					
02/0		PTO-1449	FILING DATE August 17, 1998	GROUP 1643				
		OTHER DOCUMENTS (Including A	Author, Title, Date, Pertine	ent Pages, Etc.)				
AZ:	94	Takeda, H., et al., "Preparation of 1-Alkyn Asdsembled Monolayers," <i>Tetrahedron Le</i>		fides as Thiolare Anion Precursors for Self-				
SEL	95	Telser, J., et al., "DNA Duplexes Covalent and Time-Resolved Optical Spectroscopies		hesis and Characterization by Steady-State 26-7232 (1989).				
You	96	Telser, J., et al., "DNA Oligomers and Dup bipyridine)ruthenium(II): Synthesis and C Measurements," <i>J. Am. Chem. Soc.</i> , 111:72	haracterization by Thermodyn					
PH	97	Thara, T., et al., "Gene Sensor using Ferro	cenyl Oligonucleotide," Chem	. Commun., 1609-1610 (1997).				
851	98 p	Tour, "Conjugated Macromolecules of Pre Nanoarchitectures," Chem. Rev., 96:537-5	_	Organic Synthesis for the Construction of				
882	99	Tour, et al., "Self-Assembled Monolayers a Containing Adsorbates. Understanding At Chem. Soc., 117:9529-9534 (1995).		Thiols, α-ω-Dithiols, and Thioacetyl- Molecular Wires and Gold Surfaces," J. Am.				
Sta	100	Tullius, T.D. and B.A. Dombroski, "Iron(I Science, 230:679-681 (1985).	I) EDTA Used to Measure the	Helical Twist Along Any DNA Molecule,"				
SYL	101	Turro, N., et al. "Photoelectron Transfer Be Storage Sol. Energy, Proc. Int. Conf., 8th,		n Restricted Spaces," <i>Photochem. Convers.</i>				
98	102	Turro, N. J., et al., "Molecular Recognition Photoinduced Electron Transfer on the Sur (1991).	•	Reaction Spaces. Photophysics and s, and DNA," Acc. Chem. Res., 24:332-340				
Sh	103	Uosake, K., et al., "A Self-Assembled Mor the Reduction of Fe(III)-EDTA in Solution	•	· · · · · · · · · · · · · · · · · · ·				
SEL	104	Van Ness, J., et al., "A Versatile Solid Sup Assays," Nucleic Acids Research, 19(12):3		scleotide Probe-Based Hybridization				
Yor	105	Weber, et al., "Voltammetry of Redox-Act Marcus Relation between Rate and Overpo		-				
SSL	106		Williams, et al., "Studies of oligonucleotide interactions by hybridisation to arrays: the influence of dangling ends on duplex yield," <i>Nucleic Acids Research</i> , 22(8):1365-1367 (1994).					
SW	107	Winkler, J. R., et al., "Electron Transfer in Ruthenium-Modified Proteins," Chem. Rev., 92:369-379 (1992).						
Sh	108	l ' '	Xu, et al., "Immobilization of DNA on an Aluminum(III) alkaneobisphosphonate Thin Film with Electrogenerated Chemiluminescent Detection," J. Am. Chem. Soc., 116:8386-8387 (1994).					
Sh	109	Xu, et al., "Immobilization and Hybridization of DNA on an Aluminum(III) Alkanebisphosphonate Thin Film with Electrogenerated Chemiluminescent Detection," J. Am. Chem. Soc., 117:2627-2631 (1995).						
Sa	110	Yang, et al., "Growth and Characterization of Metal(II) Alkaneobisphosphonate Multilayer Thin Films on Gold Surfaces," J. Am. Chem. Soc., 115:11855-11862 (1993).						
Ser	111	Zhou, et al., "Fluorescent Chemosensors Based on Energy Migration in Conjugated Polymers: The Molecular Wire Approach to Increased Sensitivity," J. Am. Chem. Soc., 117:12593-12602 (1995).						
EXAMINER	9	Lindy	ATE CONSIDERED 9	13/99				
	U	y						